MINAR, S., dr.

Causes of stains on polished eptical glass during the manufacturing process and ways to prevent them. Jemma mech opt 5 no.4:107-111 Ap '60.

1. Ustav pro vyzkum optiky a jemne mechaniky, Prerov.

MINAR, S. dr.

Present conditions, the importance and main tasks of research in optics and precision mechanics. Jemma mech opt 5 no.5:135-140 My 160.

1. Ustav pro vyzkum optiky a jemne mechaniky, Prerov.

MINAR, S., dr., C.Sc.

Effect of fundamental parameters on the glass grinding process. Jemna mech opt 7 no.6:167-171 Je '62.

1. Ustav pro vyzkum optiky a jemne mechaniky, Prerov.

MINAR, S.

Principles of climatotechnology of optical instruments. Jerna mech opt 7 no.12:382-387 D 162.

MINAR, S., RNDr., C.Sc.

Protection of optical surfaces from degradation effect of climatic conditions. Jemna mech opt 8 no.3:69-73 Mr '63.

1. Ustav pro vzykum optiky a jemne mechaniky, Prerov.

MINAR, S., RNDr., CSc.

New methods in the technology of production of outer reflecting layers on glass. Jemna mech opt 8 no.lls 353-357 N 63.

1. Ustav pro vyzkum optiky a jemne mechaniky, Prerov.

2/0012/64/000/001/0007/0018

ACCESSION NR: AP4016122

AUTHOR: Minar, Silvestr (Minarzh, S.)

TITLE: New findings in machining optical silcon glass by grinding and polishing

SCURCE: Silikaty, no. 1, 1964, 7-18

TOPIC TAGS: glass grinding, glass polishing, polishing machine, polishing powder, polishing velocity, polishing theory, cerium dioxide powder

ABSTRACT: For polishing, suitable powdered substances in water suspension are used to remove glass damage caused by grinding. Pressures of 500 to 4000 g/cm², were studied by the author. To obtain acceptable polishing, the equation $R_2 = (6.9 \pm 1.7) R_a$ must pply; R_z is the mean value of the maximum differences between five high and low points on the surface of the glass, R_a is the arithmetic mean deviation from the middle line of the glass surface. Experiments arithmetic mean deviation from the middle line of the glass surface. Experiments using polishing velocities of 5 m/sec and powdered Ce_2O_2 are described. The oxide was prepared by calcination of Ce oxalate at 900 Ce; the powdered mixture contained also ferric chloride and electro-corundum. The chemical mechanism of

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ACCESSION NR: AP4016122

polishing is explained by the theory of broken chemical bonds between silicon oxide polymers, and the formation of activated surface centers. Action of Ce oxide in water suspension is explained by formation of CeH₂O complex cations and hydroxyl anions. The anion of the dissociated surface acid forms a bond with the cation of the dissociated base on the surface of the crushed grain of the polishing powder. This bond is changed by the cation of the polishing tool, which replaces the cation of the polishing powder. Preferential breaking of bonds and their modification take place according to the scheme of the polishing process. The microscopic particles of glass form a thin amorphous layer on the polished glass surface and are finally washed off from the working area. The polishing takes place besically in only one direction. Orig. art. has: 9 figures, 3 tables.

ASSOCIATION: Meopta - Ústav pro výzkum optiky a jemné mechaniky (Meopta - Institute for Optical Research and Precision Mechnics) Prerov.

SUEMITTED: 15Dec62

DATE ACQ: 14Feb64

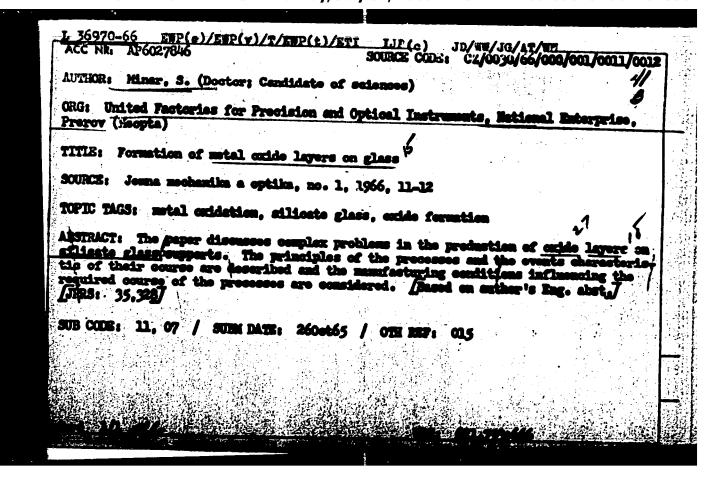
ENCL: 00

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NO REF SOV: 004

OTHER: 010

Card 2/2



t. 11:087-66

ACC NRI AP6004816

SOURCE CODE: CZ/0013/66/000/001/0028/0028

INVENTOR: Minar, Silvestr (Doctor); Chmelar, Vladimir

20

ORG: none

TITLE: Preparation of neutral light filters on glass. CZ Pat. No. 112645

SOURCE: Sklar a keramik, no. 1, 1966, 28

TOPIC TAGS: light filter, optic filter, glass coating, nickel compound, chromium compound, phosphide, thin film

ABSTRACT: A Czechoslovakian Authors Certificate has been issued for neutral light filtering thin (0.01—0.1µ) films of amorphous nickel or chromium phosphide, chemically deposited on glass. The films contain a minimal excess of base metal and may be heat treated up to 350C.

[JK]

SUB CODE: 11/ SUBM DATE: none/ ATD PRESS: 4164

Card 1/1 /1/13

<u>L 13539-65</u> EWP(e)/EWI(m)/EWP(b) Pq-4 WH ACCESSION NR: AP4044505 Z/0030/64/000/008/0233/0236

AUTHOR: Minar, Silvestr, (Doctor of natural sciences, Candidate of sciences)

TITLE: New trends in the technology of production and finishing optical surfaces

SOURCE: Jemna mechanika a optika, no. 8, 1964, 233-236

TOPIC TAGS: glass, glass coating, glass processing, glass property, surface active substance, surface condition

ABSTRACT: The various trends in research dealing with the production of optical surfaces of pressed glass are described, with particular attention to the possible automatization of production. Research carried out in the author's laboratory is described, dealing with the effect of very high polishing parameters, such as the pressure (3000 g/cm²) or the speed of the polishing-tool against the

Card 1/3

L 13539-65 ACCESSION NR: AP4044505

surface (5 m/sec). The elimination of anisotropy in the surface finish through the use of suitable grinding tool and glass plate kinematics is discussed. It is pointed out that in spite of prevalent opinions, the tests have shown that the grinding particles themselves remove only a fraction of a per cent of the glass, and the greater partrof the removal is a to other physical or chemical phenomena. It is therefore meaningful to seek for new surface treatment techniques. These include the use of mechanical working combined with chemisorption, the use of CeO2 in lieu of rouge, the use of tars, asphalts and plantic copolymers, the modification of the kinematic and rheological grinding conditions, the use of "cold 2 polishing" to avoid distortion of the surface due to cooling the glass suspension. Other topics dealt with are the production of eyeglasses, the effect of the surface finish of the original glass on the properties of coatings subsequently deposited ch its surface, surface activity of a freshly polished surface, protection of surfaces, improvement of the bond between the surface and a deposited

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001134330

	L 13539-65 ACCESSION NR: AP4044505 metallic or nonmetallic coating, and the choice of techniques for improving these bonds.		
	_ASSOCIATION: UVOIN;	Prerov	
20-12-13-13-13-13-13-13-13-13-13-13-13-13-13-	SUBMITTED: 00		ENCL: 00
Special Section	SUB CODE; MT	NR REF SOV: 000	OTHER: 000
			en e
· 0	Card 3/3		

MIMARA, Jiri; KRIZ, Jiri

Pharmacological relaxation of the muscles in relation to personal experiences with procuran. Rosal. chir. 36 no.2:73-81 Feb 57.

1. I. chirurgicka klinika KU, nobocka v Pisni, prednosta doc. Dr. K. Domansky II. chirurgicka klinika KU, pobocka v Pizni, prednosta doc. Dr J. Spinka.

(DECAMETHORIUM COMPOUNDS, eff. decamethoniom iodide on musc. (Cz)) (MUSCLES, physiol. eff. of decamethonium iodide (Cz))

POLAND/Theoretical Physics - Quantum Theory of Fields.

B-

Abs Jour

: Ref Zhur Fizika, No 3, 1960, 5089

Author

Minardi, E.

Inst Title On the Bilocal Theory of the Electron

Orig Pub

: Acta phys. polon., 1958, 17, No 6, 429-433

Abstract

The interaction between an electron and external electromagnetic field is described by an 8-dimensional spinor equation. The wave function depends symmetrically on the ordinary "external" coordinates Ny and on the "internal coordinates" $\eta_{\nu}(\nu=1, 2, 3, 4)$. The electromagnetic mass of the electrons breaks up accordingly into "external" and "internal" part. In calculating "internal" part with the aid of perturbation theory, in the initial approximation the electron is considered as a Majorana neutrino. The total electomagnetic mass of the electron is found to be equal to the experimental one, if the universal length

Card 1/2

APPROVED FOR RELEASE: Monday, July 31, 2000

On the bilocal theory of the electron. In English. p.429.

ACTA PHYSICA POLONICA. Warszawa, Poland. Vol. 17, no. 6, 1958.

Monthly List of East European Accessions Index (EEAI), LC. Vol. 8, No. 9, September 1959 Uncl.

MINARIK, F.; DURCEK, K.; MINARIK. A.

The problem of dispersed radiations near diagnostic x-ray apparatus. Pracovni lek. 10 no.2:141-144 May 58.

1. Ustav hygieny prace a chorob s povolania, Bratislava, riaditel MUDr. Imrich Klucik. F.M. Bratislava, ul. 29. Augusta 8.

(ROENTGEN RAYS, injurious effects
hazards in vicinity of diag. x-ray equip. (Cs))
(ROENTGENOGRAPHY,
same)

MINARIK, F.; DYURCHEK, K.; MINARIK, A. (Bratislava)

Danger to medical personnel represented by the scattering of rays in radiography. Gig. truda i prof. sab. 3 no.4:11-17
Jl-Ag 59. (MIRA 12:11)

1. Institut gigiyeny truda i professional'nykh zabolevaniy. (X RAYS--SCATTERING)

Czechoslovakia

CA:47:11780

"Effect of pH of water on the solubility of the pectins in exhausted cossettes."

Paumysl Potravin 3, No. 1, 35-6(1952); Sugar Ind. Abstr. 14, 193 (1952)

MINARIK, E. Selection of wine yeasts resistant to SO, and their application in the fermentation of sulfurized musts. p. 183.

Vol. 2, no. 8, Aug. 1956 KVASNY PRUMYSL TECHNOLOGY Praha, Czechoslovakia

So: East European Accession Vol. 6, no. 2, 1957

A contribution to the study of wine yeast. p. 21. BIOLOGIA, Vol. 11, no. 1, 1956.

SOURCE: East European Accessions List. (EEAL) Library of Congress Vol. 5. No. 8. August 1956.

Technical Microbiology. F-3 CZECHOSLOVAKIA / Microbiology.

Abs Jour: Ref Zhur-Biol., No 16, 1958, 72023.

: Minarik, Erich.

: On The Influence of Fungicides and Insecticides Author : Not given. Inst Title

on the Fermentation of Grape Must.

Orig Pub: Biologia, 1956, 11, No 9, 523-529.

Abstract: A Bordeaux mixture, through frequent sprinkling and increased concentration, can impair the fermentation process: sometimes the fermentative capacity of the yeasts is completely paralyzed. Sulfur preparations ("sulikol", ISO barium polysulfide), were used for sprinkling under normal conditions, as well as dinocide and dinol, even though use of the latter in increased concentrations exerted no effect on the fermentation.

-- O. S. Grebenshchikov.

Card 1/1

24

CZECHOSLOVAKIA / Microbiology. Technical Microbiology. F-3

Abs Jour: Ref Zhur-Biol., No 16, 1958, 72022.

Author : Minarik, Erich.

: Not given. : Preliminary Tests on Preparing Wines by the Use Inst

Title of Activators from Mold Fungi.

Orig Pub: Kvasny prumysl, 1957, 3, No 11, 251-253.

Abstract: Activators from Aspergillus niger, Penicillium

notatum and Botrytis cinerea, tested under laboratory and semi-productive conditions with juices of grapes and malt musts, accelerate the fermentation of sugars, especially in the first phase of fermentation and have no influence on the taste and flavor of the beverages obtained.

-- From the author's resume.

Card 1/1

H-27

MINARIK, ERICH

CZECHOSLOVAKL./Chemical Tochnology, Chemical Products and Their Application, Part 3. - Permentation

Industry.

Abs Jour: Referat. Zhurnal Khimiya, No 10, 1958, 34154.

Author

Inst

: Erich Mirarik, : Influence of Activators Produced by Mold Fungi on Must : Not giver. Title

Fermentation.

Orig Pub: Biològia, 1957, 12, No 6,454-459.

Abstract: The influence of fermentation activators from Aspergillus niger, Botrytis cineres and Penecillium notatum on the fermentation of grape must was studied with introducing 0.5 g of the preparation per liter. In the presence of activators, fermentation is especially much accelerated

in initial phases. At the 9th day of fermentation of

: 1/3 Card

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CZECHOSLOVAKIA/Chemical Technology, Chemical Products and

H-27

Their Application, Part 3. - Fermentation

Iraintry.

Abs Jour: Referat. Zhurnel Khimiya, No 10, 1958, 34154.

highly regary grape and fruit juices, where a deeper substrate fermentation is achieved besides its accelerations and lower concentration of volatile acids.

Card: 3/3

24

"Contribution to the selective fermentation of glucose and fructese by means of wine yeasts."

BIOLOGIA, Slovenska akademia vied, Bratislava, Czechoslovakia, Vol. 13, No. 12, 1958

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 8, August 1959. Uncl.

Improving the quality of our sweet-and vermouth-type wines. p. 170.

KVASNI FRUMYSL. (Ministerstvo potravinarskeho prumyslu) Praha, Czechoslovakia. Vol. 5, no. 7, July 1959.

Monthly List of East European Accessions (EEAI) LC Vol. 8, no. 11, Nov. 1959. Uncl.

MINARIK, E.; LAHO, L.; NAVARA, A.

Chromatographic proof of the fermentability of diagnostic sugars. p. 240.

KVASNY PRUMSYL. Praha, Czechoslovakia. Vol. 5, no. 10, Oct. 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 9, no. 2, Feb. 1960. Uncl.

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001134330

COURTRY : Czechoslovakia 11-27 CATEGORY MINARIK E ABS. JOUR. : RZKhim., No. 1959, No. 72929 ROHTUA : Minarik, E.; Laho, L.; Mavara, A. INST. TITLE : Use of Paper Chromatography for Identification. of Brewer's Yeast ORIG. PUB. : Polnohospodarstvo, 1959, 6, No 1, 15-28 ASSTRACT : Description of a chromatographic method of investigation of the fermentation of sugars used in the identification tests, by brewer's yeast, which in conjunction with the known visual methods makes it possible to determine more readily and with greater precision the fermentability of sugars, particularly of raffinose and galactose. -- Yu. Chelitsova. CARD: 1/1 44

MINARIK, Erich

Composition of the yeast flora of wine made in a viticultural region in Little Carpathians. Biologia 15 no.4:272-279 '60. (EEAI 9:9)

1. Pobocka Ceskoslovenskej akademie polnohospodarskych vied-Vyskumny ustav pre vinohradnictvo a vinarstvo, Bratislava (SLOVAKIA--WINE AND WINE MAKING) (FERMENTATION) (YEAST)

MINARIK, Erich

Systematic classification of technical strains of wine yeast. Kvasny prum 9 no.10:242-245 0 163.

1. Vyskumny ustav pre vinohradnictvo, Bratislava.

MINAFIK, Erich, inz., SeC.

Collection of yeast plants and yeast microorganisms. Vest ust zemedel 10 no.6/7:281-284 463.

1. Vyskumny ustav pre vinohradnictvo a vinarstvo, Bratislava.

_...

MINARIK, E.

CZECHOSLOVAKIA

Erich MINARIK, Dipl. Ing., GSc; Research Institute for Enology and Wine Industry [Original variation of effiliation not stated], Bratislava.

"Occurrence of Saccharomyces coreanua Saite on Grapes."

Bratislava, Biologia, Vol 18, No 2, 1963; pp 160-163.

Abstract [Gorman article; English summery modified]: From grapes and cider in West Slovakia, 2 strains of this rare Far-Eastern yeast were isolated. Tabulation of comprehensive biochemical characteristics shows relationship to the strain as described by Kudrizuzew. Four drawings of cells, table; 4 references: I Soviet, Durch text, personal communication, Slovak thesis by author.

1/1

MINARIK, Erich

Microflora of sweet Tokaj wines. Kvasny prum 10 no. 2: 40-42 F 164.

"Key for determination of bacteria" by J. Arpai. Reviewed by Mirarik. Ibid.: 45.

"Identification of anthocyanin dyes by thin layer chromatography" by H. Tanner, H. Rentschler, G. Senn. Reviewed by Minarik. Ibid.: 48.

"Microbiological method for determination of chemical preservative in wines" by H. Luthi, T. Bezzegh. Reviewed by Minarik. Ibid.:48.

 Vyzkumny ustav pre vinohradnictvo a vinarstvo, Bratislava.

MINARIK, Erich

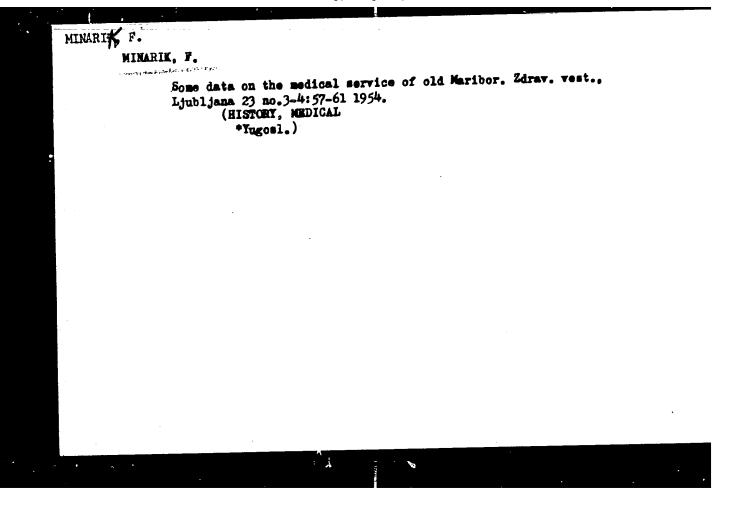
Stabilization of the Tokay choice wines against biological turbidity. Kvasny prum 10 no. 6:131-133 Je '64.

1. Research Institute of Viticulture and Wine Making, Bratislava.

ųĴ

MINARSKY, E., inz.

Dekatron ECT 100, a new element for calculation technology. Slaboproudy obzor 25 no.1:55-57 Ja*64.



MINARIK, Ferenc

Irradiation dangers to the physician in roentgenography. Magy, radiol. 10 no.2:106-108 June 58.

1. A Pozsonyi Munkaegeszsegugyi Intezet (igazgato: Imrich Klucik dr.) kozlemenye.

(ROENTGENOGRAPHY

dose of x-ray scattered around x-ray appar., dangers to roentgenologist (Hun))

MINARIK, F.; DURGEK, K.; MINARIK, A.

The problem of dispersed radiations near diagnostic x-ray apparatus. Pracovni lek. 10 no.2:141-144 May 58.

1. Ustav hygieny prace a chorob s povolania, Bratislava, riaditel MUDr.
Imrich Klucik, F.M. Bratislava, ul. 29. Augusta 8.

(ROENTGEN RAYS, injurious effects

hazards in vicinity of diag. x-ray equip. (Cz))
(ROWNTGENOGRAPHY,
same)

MINARIK, F.; DYURCHEK, K.; MINARIK, A. (Bratislava)

Danger to medical personnel represented by the scattering of rays in radiography. Gig. truda i prof. sab. 3 no.4:11-17 (MIRA 12:11)

1. Institut gigiyeny truda i professional'nykh zabolevaniy.
(X RAYS--SCATTERING)

DYURCHEK, K. [Durček, K.]; MINARIK, F.; STANKOVICHOVA, A. [Stankovičova, A.]; PETRASHOVA, M. [Petrasova, A.]; URICHEK, L. [Uriček, L.]

Doses of X irradiation to which patients and medical personnel are exposed during cardiac catheterization. Med.rad. 4 no.10:66-70 (MIRA 13:2)

1. Iz Instituta gigiyeny truda i professional nykh zabolevaniy v Bratislave (dir. - doktor med.nauk I. Eldchik).

(HEART CATHETERIZATION)

(RADIOGRAPHY)

STANKOVICOVA, Alojzia (Bratislava, ul. Narodneho povstania c. 18-20);
MINARIK, Frantisak (Bratislava, ul. Narodneho povstania c. 18-20);
DURCEK, Karol (Bratislava, ul. Narodneho povstania c. 18-20)

Methods of absolute dosimetry of Sr⁹⁰. Mat fyz cas SAV 11 no.3:214-221 '61.

1. Ustav hygieny prace a chorob z povolania, Bratislava.

KLUVANEK, P.; DURCEK, K.; MASARYK, S.G. MINARIK, F.; za tech.spoluprace URICKA, L.; DOUPOVCA, V.

Effect of technical shortcomings of roentgeno-diagnostic equipment on spreading of secondary radiations. Cesk.rentg. 15 no.1:30-36 F 161.

1. Ustav hygieny prace a chorob s povolania v Bratislave, riaditel MUDr. I. Klucik.

(RADIATION PROTECTION)

MINARIK, F.; STANKOVICOVA, A.; MANCA, J.; DOUPOVCA, V., techn. speluprace

Electrical preperties of dusts in ore mines in Slevakia. Pracovni lek. 13 no.6:269-274 Ag ⁴61.

1. Ustav hygieny prace a chorob z povolania v Bratislave, riaditel MUDr. I. Klucik.

(DUSTS)

BORISEK, R., dr.inz.; MINARIK, F., inz.

Mechanism of sulfite delignification at high temperatures. Shor cel pap no.7847-62 *62.

SCHMIED, J., inz.; MINARIK, F., inz.

Recirculation of cooking liquor in delignification reaction. Shor cel pap no.7:63-72 *62.

CZECHOSLOV AKI A

MIN ARIK. F., STANKOVICOVA, A., MANCA, J., Institute of Hygiene of Work and Professional Diseases, Manager Dr I. Klucik (Ustav hygieny prace a chorob z povolania, riaditel MUDr. I. Klucik), Bratislava.

" Some Problems of Medical Physics in Work with Sources of Neutron Radiation."

Pregue, Pracovni Lekarstvi, Vol 15, No. 2, March 63, pp 69 - 74.

Abstract: The authors give first a description of the properties of neutrons and of the nature of their radiation for 4 sources (Ra-Be, Po-Be, Rn-Be, Sb 124-Be). They give also basic principles for the safety of handling these materials. In the last part of the article they discuss a few specific problems of work safety with the radiation sources mentioned.

1 Table, 1 Figure, 3 Western, 1 Czech, 4 Russian references.

STANKOVICOVA, A.; MINARIK, F.; Institute of Hygiene of Work and of Occupational Diseases at Bratislava, Kanager Prof. doctor M. Kosal / Ustav hygieny prace a chorob z povolania, Bratislava, riaditel pro. dr. M. Mosal /.

"Experimental Determination of Efficiency of Filters Designed for Retention of Radioactive Aerosols."

Prague, Pracovni Lekarstvi, Vol 15, No 8, 1963, pp 343-344

Abstract: The article describes the efficiency of 5 filter media tested. The determination was made by measuring beta activity of media through which passed air with fission products of radon RaB and RaC. Membrane filters were the most effective.

1 Figure, 1 Table, 5 Western, 1 Russian reference.

1/1

MIMARIK, Frantisek, inz.

Analysis of multistage pulp washing. Papir a celulosa 18 no.5:98-101, 104 My \$3.

1. Vyskumny ustav papieru a celulozy, Bratislava.

MINARIK, F.; UHRIK, F.; HRABOVCOVA, A.; MORAVKOVA, M.; URICEK, L.

Spectral analysis of radioactive gamma radiants in waste water and Danube water. Vodni hosp 14 no.12:468-469 '64.

KLUCIK, Emrich; BENO, Milan; TRNOVEC, Tomas; MINARIK, Frantisek.

Metabolism of Sbl24-labelled antimony oxide in rats. Prac. lek. 16 no.2:53-56 Mr*64

1. Ustav hygieny prace a chorob z povolania v Bratislave; riaditelz prof. MUDr. M.Nosal.

TRNOVEC, T.; BENO, M.; ZBORIL, V.; PLESKOVA, A.; RUSEK, V.; MINARIK, F.

Effect of parathyroid hormone on radiocerium uptake by bone tissue. Bratisl. lek. listy 44 no.1:24-29 *64.

1. Ustav hygieny prace a chorob z povolania v Bratislave; riaditel: prof. MUDr. M.Nosal.

SCHMIED, Josef, inz. CSc.; MINARIK, Frantisek, inz.; PUCEK, Bohuslav, promovany fyzik

Matrices of mass and power transfer in the design and control of pulp production. Papir a celulosa 20 no.1:4-10 Ja 165.

Tl. Research Institute of Paper and Cellulose, Bratislava.

MINARIK, F.; UHRIK, F.; HRABOVCOVA, A.; PETRASOVA, M.; DOUPOVEC, V.; MORAVKOVA, M.; URICEK, L.

Analysis of gamma-emitters in the fallout on the site of the nuclear electric power plant A-1. Cesk. hyg. 10 no.7:400-403 Ag '65.

/1. Ustav hygieny prace a chorob z povolania, Bratislava.

L 30921-66

ACC NR. AP6022920

SOURCE CODE: CZ/0038/66/000/001/0022/0023

AUTHOR: Uhrik, Frantisek; Hinarik, Frantisek; Hrabovcova, Alojsia

60 B

ORG: Research Institute for Labor Hygiene and Occupational Diseases, Bratislava (Vyskusny ustav hygieny prace a chorob s povolania)

TITIE: Automatic step drive of the discriminator in a pulse spectrophotometer

SOURCE: Jaderna energie, no. 1, 1966, 22-23

TOPIC TAGS: automatic machine, spectrophotometer, frequency discriminator, gamma spectrum, spectrum analysis, pulse counter, recorder equipment

ABSTRACT: The article is an abstract of authors' Yearly Report of the Institute's Project VUHPCHP No 9/1963. Automatic step drive of the single channel spectrophotometer "Frieseke-Hoepfner FH-94" is described. The movement takes place when a given number of pulses has been registered on an FH-49 pulse counter. The period for which a given channel position remains unchanged is recorded on an FH-449 time recorder. The arrangement is suitable for spectral analyses made with low gamma activities; for these the instrument as supplied by the makers is not suitable. Orig. art. has: 2 figures and 2 tables. [JPRS]

SUB CODE: 20, 09, 13 / SUBM DATE: none

Card 1/1 (1/2) UDC: 621.374.32 539.12.075:621.364

0915 0996

MINARIK, Jindrich

Otazky primestskeho zemedelství v CSR. (Problems of the Suburban Agriculture in Czechoslovakia. 1st ed. illus., maps, bibl, notes) Introduction by V. Vrbensky. Prague, SZN, 1957. 112 p.

Problems of the Cz. suburban agriculture and its tasks. Comparison with the Soviet conditions. The study deals with the special nature, scope, specialization, and organization of the production in the Cz. suburban agriculture, its methods of planning, and it presents maps which represent an outline for determining the suburban zones, and organization and specialization of their agriculture.

Bibliograficky katalog, CSR, Ceske knihy, No. 35. 8 Oct 57. p. 747.

MINARIK, J.

Agriculture in areas adjacent to Czechoslovak towns.

p. 139 (VYZIVA LIDU) Vol. 12, no. 10, Oct. 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3, March 1958

CZECHOSLOVAKIA / Farm Animals. Wild Animals

Q-5

Abs Jour: Ref Zhur-Biol., No 3, 1958, 12153

Author : Minarik J. M.

Inst

Title

: On the Breeding of New Fur Animals (O razvedenii

novykh pushnykh zverey)

Orig Pub: Chovatel, 1957, No 3, 45

Abstract: A certain increase in the number of South American chinchilla, a high-priced animal, on the farms of Czechoslovakia is reported. The breeding of Chinchillas on a large scale is limited by a considerable difference of the local climate from that of the habitat of the chinchilla. The possibility of the acclimatization of this animal is considered.

Card 1/1

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MINARIK, 2.

CZECHOSLOVAKIA

MINARIK, L; STEKLACOVA, E; CERBA, A.

1. Hospital for Tuberculosis (Liecebna pre tuberkulozu), Vysna Haga; 2. Institute of National Health (Ustav narodneho zdravia), Revucej - (for all)

Prague, Rozhledy v tuberkulose, No 2, 1963, pp 77-86

" The Pathology and Clinical Course of Cystoid Cavities."

BATEK, F.; KUCERA, A.; KUCEROVA, V.; MINARIK, L.

Role of the spleen in interoceptive conditioned blood picture changes in rabbit. Cesk. fysiol. 7 no.5:429-430 Sept 58.

1. Fysiologicky ustav u Ustav organisace zdrvaotnictvi lek. fak. PU. Olomouc.

(BLOOD CELIS.

count, eff. of splenectomy on conditioned changes in rabbits (Cz))

(REPLEX, CONDITIONED,

conditioned blood count changes in splenectomized rabbits (Cz)) (SPINEN, eff. of excis.

on conditioned blood count changes in rabbits (Cz))

BATEK, F.; KUCERA, A.; KUCEROVA, V.; MINARIK, L.

Effect of ardenalectomy on the course of interoceptive white and red blood picture changes in rabbits. Cesk. 1ysiol. 7 no.5:431-432 Sept 58.

1. Pysiologicky ustav a Ustav organisace zdravotnictvi luk. fak. FU. Olo-mouc.

(IEKOCYTE COUNT,
eff. of adrenalectomy on interoceptive changes in rabbits (Cz))
(RRYTHROCYTES,
count, eff. of adrenalectomy on interoceptive changes in
rabbits (Cz))
(AIREMAIECTOMY, eff.
on interoceptive erythrocyte & leukocyte count in rabbits (Cz))

MINARIK, L.

"New views concerning the irritability of tissues"

Ceskoslovenska Fysiologie. Praha, Czechoslovakia. Vol. 8, no. 1, Jan 1959

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 7, July 59, Unclas

KUCERA, A.; BATEK, F.; MINARIK, L.; KUCEROVA, V.

On the effect of pentamethonium on the course interoceptive changes of white and red blood pictures in rabbits. Cesk. fysiol. 8 no.5: 418-419 8 159

1. Pysiologicky ustav a Ustav organisace zdravotnictvi Lek. fak. PU, Olomouc.

(METHONIUM COMPOUNDS pharmacol.)
(ERITHROCITE COUNT pharmacol.)
(LEUKOCITE COUNT, pharmacol.)

KUCERA, A.; BATEK, F.; MINARIK, L.; KUCEROVA, V.

Effect of the pituitary on the dynamics of changes in white blood picture. Cesk. fysiol. 8 no.5:419-420 S '59

1. Pysiologicky ustav a Ustav organisace sdravotnistvi Lek. fak. FU, Olomouc.

(LEUKOCYTH COUNT) (HYPOPHIS ECTONY eff.)

HIWARIK, Lubomir

A simple vnivereal measuring device containing thyratron. Shar . ved. prac. lek. fak. Karlov. Univ. 7 no.4:557-562 '64.

1. Fyziologicky ustav Lekarske fakulty Palackeho University, Olomouc (prednosta: doc. MUDr. A. Kucera).



CZECHOSLOVAKIA

HANAKOVA, S., KVAPILOVA, I., MINARIK, L: Physiological Institute Medical Faculty, Palacky University (Fysiologicky Ustav Lek.Fak. P.U.) Olomouc.

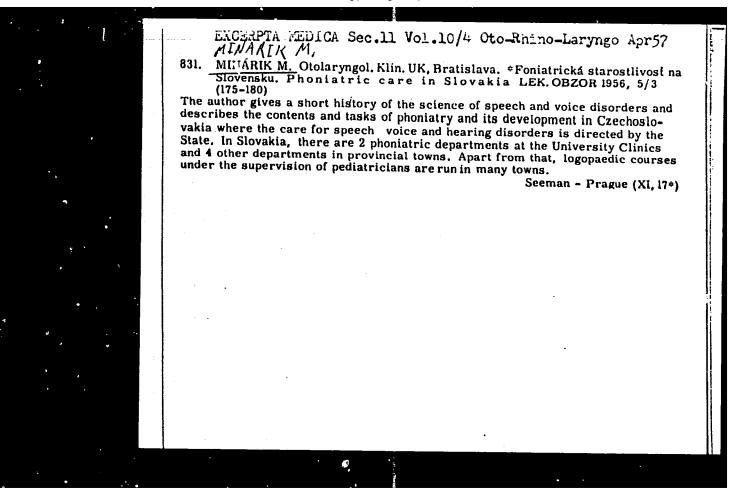
"Extension of Anesthesia Duration by Hyperventilation with Atmospheric Air."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 2, Feb 66, p 72.

Abstract: Use of an extension of anesthesia induced by thiopenthal after premedication with atropine-lobeline to influence CNS activity is discussed. The extension of anesthesia is connected to hyperventilation hypocapnia. It appears that the effect is due to hypocapnoic vasoconstriction in the cerebral region. No references. Submitted at the "16 Days of Physiology" at Kosice, 29 Sep 65.

1/1

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001134330



"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001134330

		MINARÍK, M.
	· 47.	
		Production of chrome-vegetable tanned sole leathers in
		A Minaria Minaria Light Lud Dones Maria M.
	•	235-10(180a).—The processes employed in U.S.S.R. and
		in Carchoslovakia are described. Both involve a very
		light Cr tanuage, fellowed by vegetable tanuage in drums (U.S.S.R.) or a combination of suspenders and drums
		(Czechoslovakia). Data are given conditions: II. Ibid.
		227-8.—The effects of reductivo to anti-
		wasted were studied. Only by using suspender liquors can wasted were studied is not consulted to the loss of tannin be kept at an economically tolerable level.
	ange an	The Crecinovak leadings with absorb less H ₁ O. stretchy than U.S.S.R. leathers, but absorb less H ₂ O. stretchy than U.S.S.R. leathers, but absorb less H ₂ O. Analytical data are given. By using the Crecepitation 88
	142	tunning process the time for tunninger is surjective to the
		to 39 days. The bend teather is advisability of con- are not. Results do not support the advisability of con- verting sole leather tanneries to the Cr-vegetable process. L. Masner
1		
	- 1	B - B - B - B - B - B - B - B - B - B -
	\ *-	
		<u> 통령 회생활 교통 로 경찰 경험을 들었다. 그는 경찰 이 스트 바다 하는 바다 하는 사람이 하는 것이다. 그런 경험 이 아</u> 버지는 사람이 아니다. 그런 것이다. 그
		이번에 고기들을 통 기업을 받으면 하는 것은 것은 것은 것은 것은 것이다는 기가를 받는 것은 것.
	4	

MINARIK, M.

CZECHOSLOVAKIA/Chemical Technology. Chemical Products and

H**-**35

Their Application. Leather. Mechanical Gelatins.

Tanning Agents. Technical Albumens.

Abs Jour: Ref. Zhur-Khimiya, No 11, 1958, 38440.

Author : Tomisek M, Kucka L, Minarik M.

Inst : Not given.

Title : Results Achieved in Czechoslovakia in the Field of

Manufacturing Sole Leathers of Chrome Vegetable Tanning.

Orig Pub: Kozarstvi, 1955, 5, No 12, 227-228.

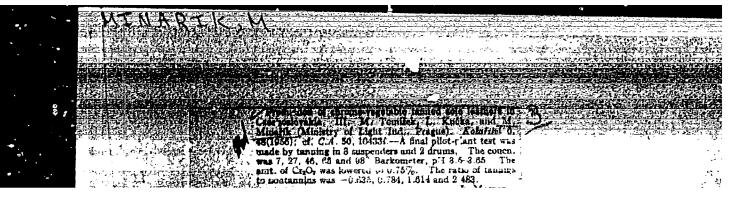
Abstract: Chrome vegetable tanning of sole leather does not yield

leathers like those of the usual tanning, either according to quality or according to analytical characteristics. The producing cycle is reduced from 86 to 39 days. Wearing durability is almost the same as usual. See source

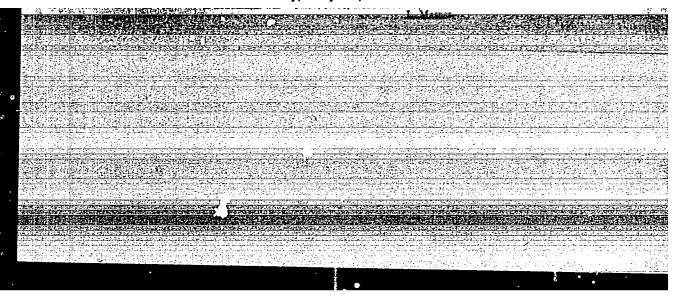
RZhKhim, 1958, 20184.

Card : 1/1

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001134330



"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001134330



CZECHOSŁOVAKIA

MINARIK, Pavel, MVDr; DIML, Borivoj, MVDr; PETR, Otakar, MVDr

1. Vratislavice nad Nisou (for Minarik and Dyml); 2. Janska (for Petr)

Brno, Veterinarstvi, No 3 [March] 1967, pp 118-122

"Infectious nephritis in poultry."

MINARIK, Roman, inz.; SLYSKO, Pavol, inz.

Resistance welding of aluminum bronzes. Zvaranie 13 no. 7: 193-198 Jl '64.

1. Research Institute of Welding, Bratislava.

MINARIK, Roman, inz.

"Technology of resistance butt welding" by N.S.Kabanov and E.S.Slepak. Reviewed by Roman Minarik. Zwaranie 11 no.8:255 Ag '62.

MINARIK, Roman, inz.

"Resistance pressure welding" by M. Lipa and J. Holasek. Reviewed by Roman Minarik. Zvaranie 12 no.2:51 '63.

HYIMAR, Bohumil, inz.; OLSANSKY, Cestmir; MINARIK, Rudolf

Production of Edam cheeses by using cultures of Lactobacillus casei. Prum potravia 14 no. 12:656-659 D '63.

- 1. Sdruzeni mlekaren, Vyroba cistych mlekarskych kultur, Praha (for Hylmar).
- 2. Vyzkumny ustav mlekarensky, Praha, pracoviste Zeletava (for Olsansky).
- 3. Lacrum, n.p., Zeletava (for Minarik).

MINARIK, Rudolf, izz.; OLSANSKY, Costmir

Using polyvinyl alcohol and AC-15 percent Struccl emulsion in Edam cheese curing. Prum potravin 15 no.8:414-417 Ag '64.

1. Lacrum National Enterprise, Plant Zelava (for Minarik).
2. Institute of Dairy Research, Prague, Worksite Zeletava (for Olsansky).

OLSANSKY, Cestmir; SEDLAK, Bronislav, inz.; MINARIK, Rudlof, inz.

Line for processing large cakes of cheese to be stored in caves on pallets. Prum potravin 15 no.12:624-627 D *64.

1. Institute of Dairy Research, Prague, Worksite Zeletava (for Olsansky). 2. Strojirny potravinarskeho prumyslu, Hradec Kralove (for Sedlak). 3. Lacrum National Enterprise, Brno, Branch Enterprise Zeletava (for Minarik).

'ea :

MINARIK, E.VI PA - 2666 Flation of U, Th, Bi and Tl induced by high energy 7 -quanta. (Deleniy U, Th. Bi i Tl y-kvantami bel'shikh energiy.-Russian) AUTHOR Zhurnel Eksperia. i Teeret. Fiziki 1957, Vel 32, Hr 2, TITLE Reviewed: 6/1957 PERIODICAL pp 241 - 246 (USSR). Experiments: The authors determined the dependence of the yields of photo fission of the nuclei of U238, Th232 and Tl203,205 -Received: 5/1957 on the maximum energy of the spectrum of Bremsstrahlung on the ABSTRACT synchretrem of the Physical Institute of the Academy of Science of the USSR. After passing through a lead cellimater, the Jbundle of the synchretren dropped into a mementum ionisation chamber. The targets of the elements to be investigated consisted of thin layers of U.Og, ThO, and of metallic Bi and Tl which were applied on to an aluminum base of 30 cm thickness. Discussion of results: The eress section of photofission can be represented in the form of a file where of denotes the oress section of the absorption of the photon by the nucleus and T 2/2 | - the relative propability of fisciening (0,2-0,4 for uranium and a value of about (2,5 - 3) - times as small for therium). Therefore, the cress section of phetofission by the increase of $\Gamma_2/\Sigma\Gamma$ is able to increase at the utmost by 5 times CARD 1/2

Fissien of U, Th, Bi and Tl induced by high energy PA - 2666 7 -quanta.

its value in the case of uranium and by about the 10-fold in the case of therium, at the utmest Experimental values of the cross sections of photo production, however, increase by about the 20-feld in the case of an increase of the energy of from 80 up to

Within a wide demain of excitation energies the relative fission prebability of the U258 nuclei remains practically constant. At energies of γ -quanta of from 10 to 300 MeV, an average of At least in the case of γ 238 the increase of σ_{γ} at photo energies of from 80 to 250 MeV is due only to the increase of d. The same applies to other elements investigated here. The increase of the cress sections of photo fission observed above 150 MeV cannot possibly be explained by the re-absorption of mesons alone. The similarity of the energy dependence of the cross section of phetefissien and phetepreduction of the mesons tends to confirm the assumption that one and the same mechanism of interaction of 7-quanta with nuclei is responsible for the increase of the ores sections of photofission. (8 illustrations)

ASSOCIATION: Physical Institute "P.N. LEBEDEY" of the Academy of Science of the

SUMMITTED:

30. 8. 1956.

AVAILABLE: CARD 2/2

Library of Congress.

APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R001134330(

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21,6000

Agafonov, V.P., Govorkov, B.B., Denisov, S.P.,

Minarik, Ye.V.

AUTHORS: Determination of the efficiency of recording TITLE:

gamma-quanta by means of monochromatization of a

beam of bremsstrahlung

PERIODICAL: Pribory i tekhnika eksperimenta, no.5, 1962, 47-50

Description is given of a new method of investigating the energy dependence of counter efficiency. In the path of a collimated beam of bremsstrahlung (diameter 3 cm) is placed a lead target which becomes an intense source of electron positron pairs, emitted primarily in the same direction as the incident γ quanta. Electrons of a definite energy E_0 , selected from the beam by means of a magnetic field, collide with a second lead target and produce γ quanta of energy E_{γ} (the target is sufficiently thin to avoid the probability of double radiation and for multiple scattering to be negligibly small). of energy E_{γ} are allowed to enter the telescope detector which is under investigation. Measurements were carried Card 1/2

S/120/62/000/005/008/036 E039/E420

Determination of the efficiency ...

out on a beam of bremsstrahlung from the Physics Institute's synchrotron at 265 MeV. It is shown that the efficiency of a γ telescope rises steadily from a few % at 20 MeV to $\sim 40\%$ at γ telescope rises steadily from a few % at 20 meV to $\sim 40\%$ at ~ 150 MeV. Measurements of efficiency at two values of Ey were made for other γ telescopes of similar construction and the were made for other γ telescopes of similar construction of results agreed within the statistical error. The variation of efficiency with thickness of the lead converter was also measured efficiency with thickness of the lead converter was also measured for Ey = 60.8 MeV. A flat maximum at $\sim 20\%$ is obtained for a thickness of 8 mm. There are 4 figures.

ASSOCIATION: Fizicheskiy institut AN SSSR (Physics Institute AS USSR)

SUBMITTED: December 25, 1961

Card 2/2

s/056/62/042/004/013/037 B163/102

Govorkov, B. B., Denisov, S. P., Minarik, Ye. V.

Elastic photoproduction of π^{O} mesons on carbon at 155 MeV AUTHORS:

Zhurnal eksperimental noy i teoreticheskoy fiziki, v. 42 TITLE:

PERIODICAL:

TEXT: Y rays with an average energy of 155 Mev from the FIAN synchrotron were used to produce π^0 mesons in the reaction γ + C^{12} - γC^{12} + π^0 . The angular distribution of the moments was determined by coincidence meaangular distribution of the m mesons was determined by coincidence measurements of the two decay γ quanta with two γ ray telescopes, each consisting of two conventional fluid scintillation counters with a 5 mm lead converter in front. converter in front. The telescopes were arranged in a plane whose inclination or and the primary where determined the convert of emission conversor in iront. The terescopes were arranged in a plane whose inclination against the primary γ beam determined the average angle of emission of the π^{0} mesons recorded. The experimental differential cross section for the elastic photoproduction of π^{O} mesons is in good agreement with

Card 1/2

s/056/62/042/004/013/037 B163/B102

Elastic photoproduction of ...

theoretical values calculated in the impulse approximation under the assumption that protons and neutrons contribute equally to the coherent photoproduction, and that the distribution of nuclear matter in the C¹² nucleus equals the charge distribution known from electron scattering experiments.

ASSOCIATION: Fizicheskiy institut im. P. N. Lebedeva Akademii nauk SSSR

(Physics Institute imeni P. N. Lebedev of the Academy of

Sciences USSR)

November 23, 1961, SUBMITTED:

Card 2/2

AFFTC/ASD 8/056/63/044/003/018/053 EWI(m)/BDS L 17620-63 Govorkov, B. B., Denisov, S. P., and Minarik, Ya. Near threshold photoproduction of neutral mesons of nuclei AUTHOR: Zhurnal eksperimental noy i tekhnicheskoy fiziki, v. 44, no. 3, TITLE: PERIODICAL: 1963, 878-886 TEXT: Earlier experiments by researchers of both the East and West showed that the photoproduction of mesons by quanta of energy up to 200 Mev is besically due to elastic coherent production. The present paper presents the measurement of the engular dependence of the mo-meson photoproduction cross section on Be, Al, Cu, Cd, and Ta nuclei for 154 Mew mean primary photon energies. The mo-mesons were observed by recording coincidences of no- 1+ 1 decay Y-quanta with the aid of wto scintillation telescopes. An analysis of the results obtained shows that the main contribution to the cross section is from electic coherent photoproduction. A more detailed analysis of experimental results will be published at a later date. A. M. Baldin and A. I. Lebedev evaluated the theoretical implications of the experimental results. There are 8 figures. Card 1/2

L 17620-63		s/056/63/044/003/018/053 /	
Near thrishol	d photoproduction		
ASSOCIATION:	Fizicheskiy institut im. Institute im. P. N. Lebec	P. N. Lebedeva Akademii nauk SSSR (Pi lev of the Academy of Sciences USSR	ysics
SUBMITTED:	October 25, 1962		
		선택하다 가는 가는 살이 없는 그리고 있다.	
		가르고 있다. 그런 전환 전환 보는 것으로 하는다. 일본 기가 있는데 1000년 100	
		부인적인 사실 기관병에 손꼽았다다.	

EDS/EST (=) -AFFTC/ASD-IJP(C) s/0056/63/044/005/1463/1469 L 10236-63 AUTHOR: Govorkov, B. B.; Denisov, S. P.; Lebedev, A. I.; Minarik, Ye. V. TITE: High partial waves in the photoproduction of neutral pions on protons SOURCE: Zhurnal eksper. i teoret. fiziki, v. 44, no. 5, 1963, 1463-1469 TOPIC TAGS: Neutral pion photoproduction, threshold reactions, partial waves ABSTRACT: The angular distribution of neutral pions produced on protons by photons of 181 MeV energy was measured with an aim at comparing directly the experimental results with the exact dispersion-relation calculations, which hitherto has met with some difficulties. An increase in the experimental accuracy and a determination of experimental quantities that can be calculated without the need for taking the dispersion integrals into account can help account for the remaining disparity. The authors describe an accurate measurement of the angular distributions of the neutral-pion photoproduction on protons near threshold, and give an analysis of the results from the point of view of reconciliation of experiment with dispersion-relation calculations. The Card 1/2

L 10236-63 ACCESSION NR: AP3000035

neutral pions were registered by simultaneously counting the two decay photons by scinitillation-counter telescopes. The net results were more accurate angular distributions for neutral-pion photoproduction near threshold, better agreement with the one-dimensional dispersion-relation calculation, and detection of some disparity between the experimental data and the dispersionrelation calculations if no account is taken of the resonant meson states. This may indicate that the resonance meson states make some contribution to the investigated process. "The authors thank P. A. Cherenkov for interest in this work, A. M. Baldin for valuable advice, A. V. Kutsenko for help in the work with the computer, I. A. Yegorov for numerical estimates, A. G. Gerasimova for help in carrying out the experiments, and the whole synchrotron crew of the Physics Institute of the Academy of Sciences." There are five figures and three tables.

ASSOCIATION: Fizicheskiy institut im. P. N. Lebedeva, Akademii nauk SSSR (Physics Institute, Academy of Sciences)

SUEMITTED: 28 Nov63 DATE ACQ: 12Jun63

ENCL:

NR REF SOV: 007

OTHER: 008.

EWT(m)/BDS__AFFTC/ASD ACCESSION NR: AP3003098 AUTHOR: Covorkov, B. B.; Denisov, S. P.; Minsrik, Ye. V. TITLE: Determination of nuclear dimensions from differential cross sections for neutral pion photoproduction SOUTCE: Zhurnel eksper. 1 teor. fiziki, v. 44, no. 6, 1963, 1780-1786 TOPIC TAGS: nuclear dimension, neutral pion photoproduction, angular distribution, cross section, amplitude ABSTRACT: The results of neutral pion photoproduction are presented for a mean primary photon energy of 182 MeV. These data, along with the angular distributions of neutral pions obtained in earlier experiments for 154 MeV energy, are analyzed in order to obtain some parameters of the nucleon distribution in Be, C, Al, Cu, Cd, Ta, and Pb nuclei. The experimental apparatus and the setup of the experiments will be described elsewhere (ZhETF, in press). The results agree satisfactorily with the uniform model in the case of Cu, Cd, and Ta, which in the case of these metals coincide with the results of the trapezoidal model. The values obtained for the amplitudes can also be reconciled with the calcula-Card 1/2

L 13620-63
ACCESSION NR: AF3003098

tions. "In conclusion the authors thank P. A. Cherenkov and A. M. Beldin for interest in their work, S. N. Sokolov and L. N. Shtarkov for helpful consultations on the enalysis of the experimental data by the least-squares method, and also the cyclotron crew of the Physics Institute. We would also like to thenk A. V. Kutsenko, P. N. Komolov, and the staff of the computing department of the Physics Institute for help with the calculations on the electronic computers."

Orig. art. has: 11 figures, 5 formulas, and 2 tables.

ASSOCIATION: Fizicheskiy institut im. P. N. Lebedaya Akademii nauk SSSR

(Physics Institute, Academy of Sciences, SSSR)

SURMITTED: 25Feb63date acq/ 23Jul63 ENCL: 00

SUB CODE: 00 NO REF SOV: 003 OTHER: 006

GOVORKOV, B.B.; DENISOV, S.P.; LEBEDEV, A.I.; MINARIK, Ye.V.; KHARLAMOV, S.P.

Photoproduction of neutral \$\int_{\text{-mesons}}\$ on 210 MeV. protons. Zhur. eksp. i teor. fiz. 47 no.4:1199-1201 0 '64.

(MIRA 18:1)

1. Fizicheskiy institut imeni P.N. Lebedeva, AN SSSR.

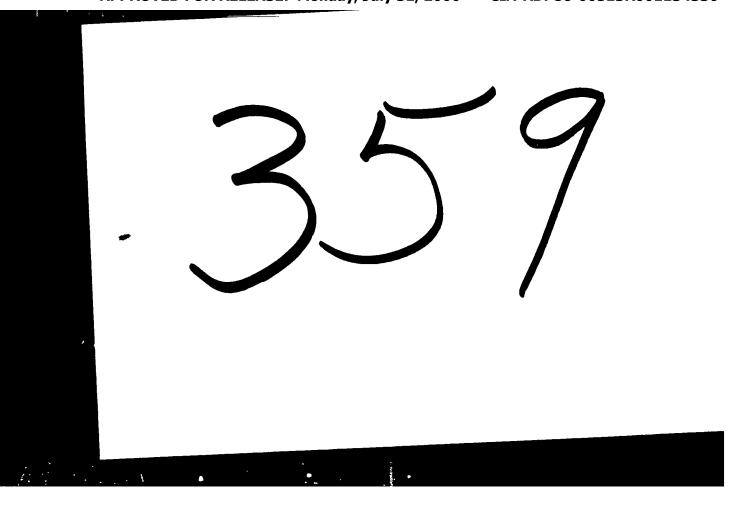
	L 13921-65 PMT(m)/T/BMA(m)-2 ESD(t) 8/0056/64/047/004/1199/120L ACCESSION NR: AP4047884
	ACCESSION NR: A2
	TITLE: Photoproduction of neutral pions by protons at 210 MeV
j.	SOURCE: " Zhurnal eksperimental noy i teoreticheskoy fiziki, v. 47,
	reproduction neutral pion, gamma proton inter-
	TOPIC TAGS: photoproduction, neutral gion, gamma proton interaction, dispersion relation, photoproduction cross section
	ABSTRACT: In view of its significance to a complete phase shift analysis and the information it can yield on the applicability of analysis and the information it can yield on the applicability of analysis and the information it can yield on the applicability of analysis and the process $\gamma + p \rightarrow p + \pi^0$ was investigated and
	dispersion theory, the process $\gamma + p \rightarrow p + \pi$ was investigation theory, the process $\gamma + p \rightarrow p + \pi$ was investigation energy and the process of the investigations were carried out in the bremsstrahlung beam of the investigations were carried out in the bremsstrahlung beam of the
	Card 1/3
والمتعلق المتعادية	

L 13921-65 ACCESSION NR: AP4047884 2

FIAN 265-MeV synchrotron. The neutral pions were observed by counting the two decay γ quanta in coincidence. The apparatus used was described by the authors previously (ZhETF v. 44, 1463, 1963, except that a liquid hydrogen target was used in an ordinary glass Dewar with wall thickness 1 mm. The hydrogen capacity of the Dewar was 4 liters, so that continuous measurements could be made for 12 hours. The differential cross sections for the production of π^0 mesons from protons were calculated from the measured yield by the method described by Govorkov et al. (ZhETF v. 44, 878, 1963). Comparison of the results with those by others showed good agreement. In comparing the data with the cross sections calculated on the basis of the dispersion relation it is concluded that the data presented can be described within the framework of the bipion model without introduction of a subtraction constant in the $\gamma + \pi \rightarrow \pi + \pi \rightarrow$ -+ N = N channel. "The authors are grateful to A. M. Baldin for helpful discussions and R. S. Uvarov for assistance with the numerical calculations." Orig. art. has: 1 figure.

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001134330

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-	L 13921-65 ACCESSION NR: AP4047886 ASSOCIATION: Fizichesk SSSR (Physics Institute	4 iy institut im. P. N. Lebede , Academy of Sciences SSSR)	va Akademii nauk
	SUBMITTED: 15Apr64. SUB CODE: NP	NR REF SOV: 009	OTHER: 005
	Card 3/3		



"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001134330



5/120/62/000/005/008/036 2039/0420

Determination of the efficiency ...

out on a beam of bremsstrahlung from the Physics Institute's synchrotron at 265 MeV. It is shown that the efficiency of a Y telescope rises steadily from a few " at 20 MeV to ~ 40% at 150 Nev. Measurements of efficiency at two values of Ey were made for other Y telescopes of similar construction and the results agreed within the statistical error. The variation of efficiency with thickness of the lead converter was also measured for Ey 60.8 MeV. \ flat maximum at ~ 20% is obtained for a thickness of 8 mm.

ASSOCIATION: Fizicheskiy institut AN SSSR (Physics Institute AS USSR)

December 25, 1961 SUBMITTED:

Card 2/2

8/056/62/042/004/013/037 B163/102 Governov, B. B., Denisov, S. P., Minarik, Te. V. Slastic photoproduction of to mesons on carbon at 155 Mey TERROPETRE Sharnal eksperimentalinoy i teoreticheskoy fiziki, v. 42 ATT TO 13: PAGES ! tags with an average energy of 155 May from the FIAN synchrotron were seed to produce to mesons in the reaction y + C12 7C12 + x0. The Angelier distribution of the Romesons was determined by coincidence meathreeways draverson or one a meaning and hardren of cornerson ever a second man sisting of two conventional fluid scintillation counters with a 5 mm load Savace of two Conventationes and South and Sou Nation against the primary & beam determined the average angle of emission of the to mesons recorded. The experimental differential cross section for the electio photoprojuction of a mesons is in good agreement with Card 1/2

3/056/62/042/004/013/037 B163/B102

Sinstic photoproduction of ...

theoretical values calculated in the impulse approximation under the assumption that protons and neutrons contribute equally to the coherent photoproduction, and that the distribution of nuclear matter in the C12 nutleus equals the charge distribution known from electron scattering experiments.

Fixicheskiy institut in. P. N. Lebedeva Akademii nauk SSSR a sectation:

(Physics Institute imeni P. N. Lebedev of the Academy of

Sciences USSR)

November 23, 1961 373117757:

Sazi 2/2

8/056/65/044/005/018/055 DAT (m)/803 1.670-6 Onvertov, 3. B., Denisov, S. P., and Hinerik, Ye. Y. Rear threshold photoproduction of neutral mesons of nuclei AUDORS Zhurnel eksperimentel noy i tekhnicheskoy fiziki, v. 44, no. 3, TITLE PERIO MECAL: 1965, 575-566

APPIC/ASD

TEXT: Earlier experiments by researchers of both the East and West showed that the she toproduction of mesons by quente of energy up to 200 Mey is besically due to elestic echerent production. The present paper presents the measurement of the anguisr dependence of the momeson photoproduction cross section on Be, Al, Cu, Od, and Ta muclei for 154 Hev mean primary photon energies. The no-mesons were observed by resording soincidences of no- f+ f decay f-quanta with the aid of wio scintiliation telescopes. An enelysis of the results obtained shows that the main contribution to the cross section is from electic coherent photoproduction. A more detailed enalysis of experimental results will be published at a later date. A. M. Baldin and A. I. Lebedev evaluated the theoretical implications of the experimental results. There are 8 figures.

Card 1/2